

GC381-US-seqlist  
SEQUENCE LISTING

&lt;110&gt; Estell, David A.

&lt;120&gt; Proteases From Gram-Positive Organisms

&lt;130&gt; GC381-US

&lt;140&gt; US 09/462,846

&lt;141&gt; 2000-01-13

&lt;150&gt; PCT/US98/19529

&lt;151&gt; 1998-07-14

&lt;150&gt; EP 97305227.7

&lt;151&gt; 1997-07-15

&lt;160&gt; 7

&lt;170&gt; FastSEQ for Windows Version 3.0

&lt;210&gt; 1

&lt;211&gt; 945

&lt;212&gt; DNA

&lt;213&gt; Bacillus subtilis

&lt;400&gt; 1

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gaatatgcca acatacatga aaacggtgag cttggaaaaa cagaatgctg gtacattatt  
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600

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&lt;210&gt; 2

&lt;211&gt; 315

&lt;212&gt; PRT

&lt;213&gt; Bacillus subtilis

&lt;400&gt; 2

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Val	Val	Gln	Asn	Gly	Met	Tyr	Lys	Gly	Phe	Thr	Leu	Ser	Glu	Leu	Trp
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Gly	Asp	Phe	Phe	Tyr	Val	Pro	Ser	Gly	Thr	Val	His	Ala	Ile	Gly	Lys
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			180					185					190		
Leu	Tyr	Asp	Tyr	Asp	Arg	Lys	Asp	Ala	Glu	Gly	Lys	Leu	Arg	Glu	Leu
		195					200					205			
His	Leu	Lys	Lys	Ser	Ile	Glu	Val	Ile	Glu	Val	Pro	Ser	Ile	Pro	Glu
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Arg	His	Thr	Val	His	His	Glu	Gln	Ile	Glu	Asp	Leu	Leu	Thr	Thr	Thr

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225					230					235				240
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				245					250					255
Ser	Ala	Ser	Leu	Lys	Gln	Gln	Lys	Pro	Phe	Leu	Leu	Ile	Ser	Val Ile
			260					265					270	
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		275					280					285		
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&lt;210&gt; 3

&lt;211&gt; 220

&lt;212&gt; PRT

&lt;213&gt; Bacillus subtilis

&lt;400&gt; 3

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Gln	Leu	Val	Ala	Gln	Tyr	Gly	Ile	His	Tyr	Arg	Asn	Thr	Tyr	Pro	Tyr
			85					90					95		
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	130				135						140				
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		165						170						175	
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	195					200						205			
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GC381-US-seqlist

<211> 948

<212> DNA

<213> Bacillus subtilis

<400> 4

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120
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240
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gattactatg ccggagaaaa cgaagaggga gaactcggca agacggaatg ctggtacatt
360
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420
cttgtcacia tgatcaacag cggtgactgg gagggcctgc tgcgaagaat caaaattaa
480
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gatagcaacg gaagtccgag agagcttcat tttgccaaag cgggtcaatgc cgccacgggt
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780
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<210> 5

<211> 316

<212> PRT

<213> Bacillus subtilis

<400> 5

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Val	His	Pro	Asp	Asp	Tyr	Tyr	Ala	Gly	Glu	Asn	Glu	Glu	Gly	Glu	Leu
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Pro	Gly	Asp	Phe	Tyr	Tyr	Val	Pro	Ser	Gly	Thr	Leu	His	Ala	Leu	Cys
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Lys	Gly	Ala	Leu	Val	Leu	Glu	Thr	Gln	Gln	Asn	Ser	Asp	Ala	Thr	Tyr
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Arg	Val	Tyr	Asp	Tyr	Asp	Arg	Leu	Asp	Ser	Asn	Gly	Ser	Pro	Arg	Glu
		195					200					205			
Leu	His	Phe	Ala	Lys	Ala	Val	Asn	Ala	Ala	Thr	Val	Pro	His	Val	Asp
	210					215					220				
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225					230					235					240
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				245					250					255	
Gly	Glu	Ala	Glu	Met	Ala	Gln	Asp	Glu	Ser	Phe	Leu	Ile	Cys	Ser	Val
			260					265					270		
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		275					280					285			
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305					310					315					

&lt;210&gt; 6

&lt;211&gt; 945

&lt;212&gt; DNA

&lt;213&gt; Bacillus subtilis

&lt;400&gt; 6

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120  
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420  
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<212> PRT  
<213> Bacillus subtilis

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Lys Thr Gly Glu Cys Trp Ala Val Ser Ala His Ala His Gly Ser Ser  
35 40 45  
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50 55 60  
Lys Asp His Pro Glu Ile Phe Gly Phe Pro Asp Gly Lys Val Phe Pro  
65 70 75 80  
Leu Leu Val Lys Leu Leu Asp Ala Asn Met Asp Leu Ser Val Gln Val  
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His Pro Asp Asp Asp Tyr Ala Lys Leu His Glu Asn Gly Asp Leu Gly  
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GC381-US-seq1ist

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Gly	Thr	Leu	Val	Leu	Glu	Ile	Gln	Gln	Asn	Ser	Asp	Thr	Thr	Tyr	Arg			
			180					185						190				
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			260					265						270				
Ser	Gly	Ser	Gly	Arg	Ile	Ile	Asn	Asn	Gly	Ile	Gln	Tyr	Glu	Cys	Asn			
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305					310					315								